

SMUD Planning Area Forecast

Staff Presentation
June 30, 2005



CED 2006 Forecast Differences

- 2003 consumption was 4% higher than forecast due to rebound from energy crisis, and stronger economic conditions
- Consumption forecast is 11% higher, and peak 14% higher by 2013
- Per capita energy use is projected to decline slightly, while per capita peak demand increases slightly.
- Peak Load Factor is projected to decline with growth in residential sector



SMUD Planning Area Forecast Results



SMUD Planning Area Forecast



SMUD Planning Area Consumption Forecast



SMUD Planning Area Peak Forecast



SMUD per Capita Consumption



SMUD per Capita Peak



SMUD Planning Area Load Factor



SMUD Planning Area Residential Consumption



SMUD Planning Area Residential Peak



SMUD Planning Area Use per Household



SMUD Planning Area Demographic Inputs



SMUD Planning Area Household Income



SMUD Planning Area Commercial Building Consumption



SMUD Planning Area Commercial Building Peak



SMUD Planning Area Commercial Floorspace



SMUD Planning Area Commercial kWh/sq. ft.



SMUD Planning Area Industrial Consumption



SMUD Planning Area Industrial Peak



SMUD Planning Area Industrial Use per Production Unit



SMUD Planning Area TCU Sector Consumption



SMUD Agriculture and Mining Consumption



SMUD Planning Area Other Sectors Peak



SMUD Planning Area Prices



SMUD Forecast Comparison

- Forecasts are similar through 2008
- By 2016, Staff peak and energy forecasts are 4 percent higher than SMUD's.
- Staff forecast assumes higher income than SMUD and increasing residential use per household, while SMUD projects decreasing use per household.
- SMUD's forecast projects more growth in the nonresidential sector than staff.



SMUD Forecast Comparison



SMUD Forecast Comparison Electricity Consumption



SMUD Forecast Comparison Peak Demand



SMUD Residential Sector Forecasts



SMUD Household Projections



SMUD Persons per Household Projections



SMUD Electricity Use per Household Forecasts



SMUD Planning Area Commercial Forecasts



SMUD Planning Area Commercial Building Floorspace Projections



SMUD Planning Area Commercial Building Use per Square Foot

